

FSB-220

P/N: 9802

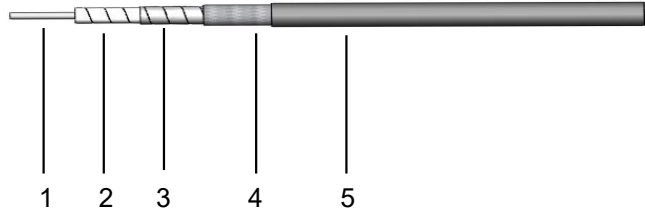


Ultra Low Loss Phase Stable Coax Cable

Ver A Release Date Match, 2013

Features&Benefits

- 82%Vp PTFE Tape+SPC Foil
- That's the same thing as Gore's 3506



Construction Specification

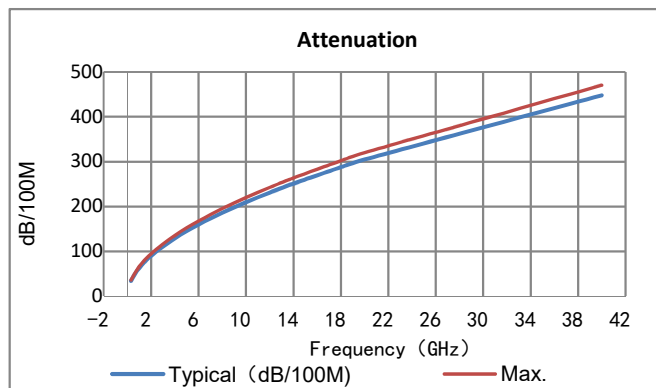
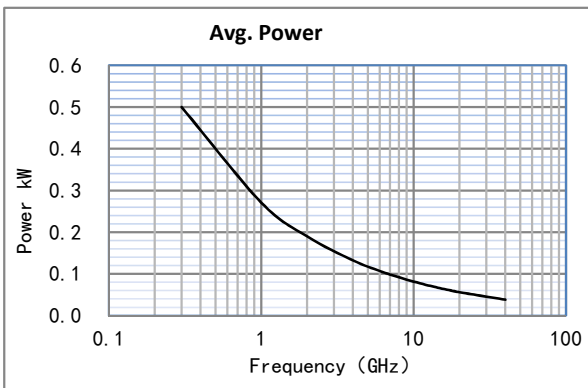
	Description	Size (mm)	Tol.	Materials
1	Center conductor	0.51	±0.02	Silver Plated Copper
2	Dielectric	1.37	±0.03	LD PTFE
3	Outer conductor	1.50	1.6Max	Silver Plated Copper Foil
4	Outer shield	1.81	1.95Max	Silver Plated Copper
5	Jacket	2.20	±0.10	Gray FEP

Mechanical&Environmental Specifications

Bend Radius:installation (mm)	15
Bend Radius:repeated (mm)	36
Weight (g/m)	18
Temp, Operating&Installation (°C)	-55 ~ 165
Temp, Storage (°C)	-65 ~ 165

Electrical Specifications

Operation Frequency (GHz)	40
Impedance (Ohms)	50
Velocity of Propagation	82%
Shielding Effectiveness (dB)	90
Voltage Withstand (V,DC)	500



Attenuation (Typical@25°C&VSWR=1.0) &Power (VSWR=1.0;40°C;Sea Level)

Frequency MHz	300	1000	2000	4000	6000	8000	10000	12000	14000	18000	20000	40000
dB/100 m	34.21	63.11	90.11	129.13	159.75	186.01	209.50	231.01	251.03	287.72	304.77	448.00
Avg.Power kW	0.500	0.271	0.190	0.132	0.107	0.092	0.082	0.074	0.068	0.059	0.056	0.038
	K1= 1.9500000					K2= 0.0014500						

$$\text{Calculate Attenuation} = K1 * \sqrt{\text{FMHz}} + K2 * \text{FMHz}$$

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